

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Schadt et al.

Confirmation No.: 9607

Serial No.: 10/540,405, national stage of  
PCT/US03/41613

Group Art Unit: To be assigned

Filed: December 24, 2003

Examiner: To be assigned

For: COMPUTER SYSTEMS AND  
METHODS FOR ASSOCIATING  
GENES WITH TRAITS USING CROSS  
SPECIES DATA

Attorney Docket No.: 9301-210-999

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56 and 1.97**

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Alexandria, Virginia 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the United States Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby invite the Examiner's attention to references A1-C115 listed on the attached form entitled List of References Cited by Applicant. Copies of references A14, A15, B01-C115 are enclosed.

While not to be construed as indicating that the Examiner should not fully consider all the listed references, the Examiner's attention is particularly directed to the following references:

- A14 Schadt et al., U.S. Patent Publication No. 2003 0224394 A1
- A15 Schadt et al., U.S. Patent Publication No. 2003 0180761 A1
- A16 Schadt et al., U.S. Patent Application Serial No. 10/558,928
- A17 Schadt et al., U.S. Patent Application Serial No. 10/523,143
- A19 Schadt et al., U.S. Patent Publication No. 2006 0122816 A1
- B01 PCT/US05/15419 International Search Report
- B02 PCT/US04/16917 International Search Report
- B03 PCT/US03/03100 International Search Report

- B04 PCT/US03/023976 International Search Report
- B05 WO 2004013727
- B06 WO 2003100557
- B07 PCT/US03/41613 International Search Report
- B08 WO 2003065282
- B09 PCT/US03/15768 International Search Report
- B10 WO 199913107
- B11 WO 2005 017652
- B12 WO 2004 061616
- B13 WO 2004 109447
- B14 WO 2005 107412
- C22 Doerge, 2002, "Mapping and analysis of quantitative trait loci in experimental populations," Nature Reviews 3:43-52
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- C71 Lander et al., 1994, "Genetic dissection of complex traits," Science 265:2037-2048
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- C94 Schadt et al., 2003, "Genetics of gene expression surveyed in maize, mouse and man," Nature 422:297-302
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- C115 Zeng, 1993, "Theoretical basis for separation of multiple linked gene effects in mapping quantitative trait loci," Proc. Natl. Acad. Sci. USA 90:10972-10976
- C116 Zeng, 1994, "Precision mapping of quantitative trait loci," Genetics 136:1457-1468

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application.

Serial No.: 10/540,405

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b)(4), since this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, it is estimated that no fee is required. However, should the Patent Office determine otherwise, please charge the required fee to Jones Day Deposit Account No. 50-3013. A copy of this sheet is enclosed

Date: June 30, 2006

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**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B01	PCT/US05/15419	05/02/2005	International Search Report				
	B02	PCT/US04/16917	05/28/2004	International Search Report				
	B03	PCT/US03/03100	02/03/2003	International Search Report				
	B04	PCT/US03/023976	08/01/2003	International Search Report				
	B05	WO 2004013727	02/12/2004	PCT				
	B06	WO 2003100557	12/04/2003	PCT				
	B07	PCT/US03/41613	12/24/2003	International Search Report				
	B08	WO 2003065282	08/07/2003	PCT				
	B09	PCT/US03/15768	05/20/2003	International Search Report				
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	B14	WO 2005 107412	11/17/2005					

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